



PATENT  
SZS&Z Ref. No.: IO030911PUS  
Attorney Docket No.: INFN/SZ0021

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	
Jong-Hoon Oh	
Serial No.: 10/675,549	Group Art Unit: 2824
Confirmation No.: 6527	Examiner: Van Thu Nguyen
Filed: 9/30/2003	Customer No.: 046798
For: ECHO CLOCK ON MEMORY SYSTEM HAVING WAIT INFORMATION	

**Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Dear Sir:

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office to fax number 571-273-8300 to the attention of Examiner Van Thu Nguyen, on the date shown below:

July 27, 2005

Date

Randol W. Read

# **INFORMATION DISCLOSURE STATEMENT**

The Applicant(s) and the Attorney who signs below on the basis of the information supplied by the inventor(s) and the information in his file submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. A copy of the International Search Report and Written Opinion dated June 8, 2005, is enclosed.

No fee is believed due for this submission. However, if the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/INFN/SZ0021/GGM.

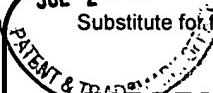
Respectfully submitted,



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JUL 29 2005



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/675,549
Filing Date	9/30/2003
First Named Inventor	Jong-Hoon Oh
Group Art Unit	2824
Examiner Name	Van Thu Nguyen
Attorney Docket Number	INFN/SZ0021

Sheet 1

of 2

Submission Date

July 27, 2005

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Number-Kind Code <sup>2</sup> (if known)				
	B1	EP 0 344 886 A1	12-06-1989	International Computers Limited		
	B2					
	B3					
	B4					
	B5					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 2

Application Number 10/675,549

Filing Date 9/30/2003

First Named Inventor Jong-Hoon Oh

Group Art Unit 2824

Examiner Name Van Thu Nguyen

Attorney Docket Number INFN/SZ0021

Submission Date July 27, 2005

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	PCT International Search Report and Written Opinion dated June 8, 2005.	
	C2	<i>General DDR SDRAM Functionality</i> , Micron Technical Note TN 46-05, Micron Technology, Inc., July 2001, pp. 1-11.	
	C3	<i>KDM432D2131 – 64Mbit DDR SGRAM, 512K x 32Bit x 4 Banks, Double Data Rate Synchronous Graphic RAM with Bi-directional Data Strobe</i> , Samsung Electronics Target Specification, Revision 0.3, May 1999, pp. 1-49.	
	C4	C. H. KIM et al., <i>A 64-Mbit, 640-MByte/s Bidirectional Data Strobed, Double-Data-Rate SDRAM with a 40-mW DLL for a 256-Mbyte Memory System</i> , IEEE Journal of Solid-State Circuits, Vol. 33, No. 11, pp. 1703-1709, Nov. 1998.	
	C5		
	C6		
	C7		
	C8		
	C9		
	C10		

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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